

# **The ESS Chipset PCI**

**Internal 56Kbps Faxmodem**

**With FCC Approval**

## **Quick Start Guide**

This guide is intended to let you install the hardware and software and start to use the modem quickly. For more detailed information, please refer to manual file and other readme files in the Software and Document CD.

### **FEATURES**

- V.90 analog data / fax / TAM modem
- Data mode capabilities:
  - V.90 56k bps
  - ITU-T V.34 33.6 kbps and fallbacks
- Error correction capabilities:
  - V.42 and MNP 2-4 error correction
  - V.42 bis and MNP 5 data compression
- Fax mode capabilities:
  - ITU-T V.17, V.29, V.27ter and V.21 ch2
  - Group 3 (TIA / EIA-578 Class 1 and Class 2)
  - V.17 14,400 bps Class 1 and 9600 bps Group 3 Fax Modem
- IS 101 Standard Voice Modem
- Microphone and Speakerphone (Optional)
- Audio Recording and Playback (Through soundcard if no speakerphone function)
- Answering Machine, Multiple Voice Mail Boxes
- Caller ID Support (Depends on the local telephone system)
- PCI bus Plug and Play and Jumperless
- Award winning communication software for voice mail, caller ID display, and more.

### **MINIMUM SYSTEM REQUIREMENTS:**

- Microsoft Windows 98 / 95 OSR2
- Pentium MMX 200 MHz or higher
- 32 MB memory or more
- 50 MB hard disk space
- PCI slot

\*\* Due to FCC regulations on power output, receiving speeds are limited to 53K bps. Actual speeds may vary.

## **CHECK LIST:**

*In addition to this Quick Start Guide, your package includes the following items:*

- Internal Modem Card
- RJ11 Phone Cord
- CD-ROM Drivers

## **TECHNICAL SUPPORT:**

In case you have question regarding the products, please consult the User's Guide or the README files on the Software and Documentation CD first. If the problem persists, please contact your local dealer.

## **HARDWARE INSTALLATION:**

### **Step 1. Install the modem card into the PC**

1. Make sure the power to your PC is turned OFF.
2. Remove the computer's cover.
3. Select a PCI bus expansion slot for the new adapter. Remove the slot cover
4. Insert the modem into place carefully. Secure the adapter retaining bracket.
5. Replace the computer's cover.

### **Step 2. Connecting external devices**

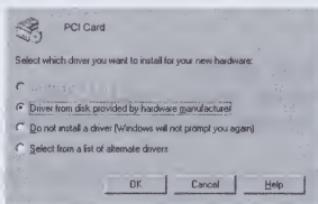
1. Connect the modem Line (RJ11) jack to wall jack with the telephone cable.
2. For speakerphone operation, connect the microphone and speaker to the appropriate jack.

## SOFTWARE INSTALLATION:

*This guide is intended to get you started quickly with MS Windows. Certain optional features may not be available for your operating system. Please refer to the README files or Manual file in the driver CD for information on other software driver installation.*

### FOR WINDOWS® 95, WINDOWS®98

The ESS PCI modem is a PCI PnP device which automatically detect by Windows 95, and you can start driver's installation from the there. (Same steps for installation in Windows 98)



1. Select “Driver from disk provided by hardware manufacturer” then click on <OK> button.
2. A new screen pops up ask for installation disk from hardware manufacturer. Now, insert the driver CD into your CD ROM drive. (D is the letter for your CD-ROM, typically **D** or **E**. etc.,)
3. You may navigate or “Browse” on CD Drive **D:\ESS\PCI\2838\WIN9X**, appropriate .INF file appears on screen, then click on <OK>.
4. Press <OK> button again; the process of installation will continue.

Drivers for Windows 95 / 98 :      **D:\ESS\PCI\2838\WIN9X**  
Drivers for Windows NT 4.0:      **D:\ESS\PCI\2838\NT4**  
Drivers for Windows 2000:      **D:\ESS\PCI\2838\WIN2000**

*D:\ESS\PCI\2838\ES  
2838*

### Communication Software Drivers

The CD has Bitware communication software.  
To locate the Bitware drivers for this modem browse the CD at  
Drive **D:\ESS\PCI\2838\BITWARE**.

*D:\ESS\PCI\ES 2838\WIN9X*

## FCC Compliance

### Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

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